Abstract

Column-beam building frame structure, wherein columns and beams are interconnected to distribute and share all lateral loads through collars that encircle columns at the nodal points of attachments between columns and beams. Each collar includes inner and outer components which seat, and gravity-lock together, during frame construction, and which also to offer a certain amount of immediate moment resistance to lateral loads. Tension bolt and nut assemblies lock the inner and outer collar components together, and with these assemblies in place, the collars (which circumsurround the beams) function to deliver beam moment loads as plural-position, angularly distributed compression loads to different side regions of columns.